241206US3X

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN RE APPLICATION OF: Seiya YAMADA, et al.

SERIAL NO: New Application

GAU:

FILED:

Herewith

EXAMINER:

FOR:

METHOD OF MELTING TREATMENT OF RADIOACTIVE METALS

INFORMATION DISCLOSURE STATEMENT UNDER 37 CFR 1.97

COMMISSIONER FOR PATENTS ALEXANDRIA, VIRGINIA 22313

SIR

Applicant(s) wish to disclose the following information.

REFERENCES

- The applicant(s) wish to make of record the references listed on the attached form PTO-1449. Copies of the listed references are attached, where required, as are either statements of relevancy or any readily available English translations of pertinent portions of any non-English language references.
- A check is attached in the amount required under 37 CFR §1.17(p).

RELATED CASES

- Attached is a list of applicant's pending application(s) or issued patent(s) which may be related to the present application. A copy of the patent(s), together with a copy of the claims and drawings of the pending application(s) is attached along with PTO 1449.
- ☐ A check is attached in the amount required under 37 CFR §1.17(p).

CERTIFICATION

- ☐ Each item of information contained in this information disclosure statement was first cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this statement.
- □ No item of information contained in this information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application or, to the knowledge of the undersigned, having made reasonable inquiry, was known to any individual designated in 37 CFR §1.56(c) more than three months prior to the filing of this statement.

DEPOSIT ACCOUNT

Please charge any additional fees for the papers being filed herewith and for which no check is enclosed herewith, or credit any overpayment to deposit account number 15-0030. A duplicate copy of this sheet is enclosed.

Respectfully submitted,

OBLON, SPIVAK, McCLELLAND, MAIER & NEUSTADT, P.C.

C. Irvin McClelland

Registration No. 21,124

22850

Tel. (703) 413-3000 Fax. (703) 413-2220 (OSMMN 05/03) Docket No.

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Tel. (703) 413-3000 Fax. (703) 413-2220 (OSMMN 05/03) DOCKET NO: 241206US3X page $\underline{1}$ of $\underline{1}$

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FOR: METHOD OF MELTING TREATMENT OF RADIOACTIVE METALS

STATEMENT OF RELEVANCY

Reference AO on Form PTO-1449:

Relevancy of Japanese Examined Patent Publication No. 5-31759 with the invention

This prior art discloses a method of melting decontamination of radioactive metals, comprising the steps of adding slag materials consisting of basic inorganic oxides and acidic inorganic oxides to metals that are contaminated by nuclear fuel materials, and thermally melting the same to include the nuclear fuel material in the slag, wherein the acidic inorganic oxides are silic acid, and the basic inorganic oxides of which the basicity is between 1 and 2 are used.

However, as the conventional treatment method performs the separation process by confining radioactive substances such as uranium oxide in the slag, a sufficient amount of slag materials need to be added so that the slag containing uranium would necessarily reach a substantial amount. As the slag containing uranium must be treated in the same away as high-level contaminated wastes, these slag materials not only become secondary wastes but the separated metallic components thereof need to be treated, thus resulting in insufficient reduction of volume.

Form PTO 1449		U.S. DEPARTMENT	OF COMMERCE	ATTY DOCKET NO.		SERIAL NO.		
(Modified)		PATENT AND TRADEMARK OFFICE		241206US3X		New Application		
				APPLICANT (1997)				
LIST OF	REFER	RENCES CITED BY AP	PLICANT	Seiya YAMADA, et al.				
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U.S. PATENT DOCUMENTS								
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OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.)								
 -	"2002 FALL MEETING OF THE ATOMIC ENERGY SOCIETY OF JAPAN", August 5, 2002							
	AW	AW						
	AX							
-		 						
	AY							
	AZ				Additional References sheet(s) attached			
Examiner					Date Considered			
*Examiner: Initial if reference is considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.								